



NEVADA DIVISION OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT



FACT SHEET FOR A RCRA HAZARDOUS WASTE PERMIT (RENEWAL)
21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA, LLC
EPA ID #NVD980895338
DRAFT PERMIT NUMBER NEVHW0024

The Nevada Division of Environmental Protection (NDEP) has developed this FACT SHEET for the draft Resource Conservation and Recovery Act (RCRA) Permit (DRAFT PERMIT) which NDEP intends to issue to the **21st Century Environmental Management of Nevada, LLC¹** facility in Fernley, Nevada. The DRAFT PERMIT is based on the renewal application received by NDEP for the continued operation of this hazardous waste management facility. This FACT SHEET has been prepared in accordance with the public notice requirements of *Nevada Administrative Code (NAC) 444.8632* and *Chapter 40 Code of Federal Regulations (CFR) Section 124.8*. The purpose of this FACT SHEET is to provide interested citizens and other governmental agencies a summary description of the principal facts and significant issues NDEP has considered in reviewing the submitted permit application and developing the DRAFT PERMIT.

FACILITY DESCRIPTION

The 21st Century Environmental Management of Nevada, LLC (21EMN) facility is located approximately 35 miles east of Reno, Nevada on approximately 10 acres of land in Fernley, Nevada. The 21EMN facility is a commercial hazardous waste treatment, storage and recycling facility. The facility contains the following permitted hazardous waste management units:

- Five (5) Container Storage Units;
- Six (6) Alkaline/Cyanide Storage Tanks;
- Two (2) Alkaline Storage Tanks;
- Eleven (11) Acid Storage Tanks;
- Seven (7) Chemical Treatment Tanks;
- Seven (7) Post Treatment (Storage) Tanks;
- One (1) Evaporator;
- Two (2) Filter Presses; and
- Lab Packing and Loose Packing Operations.

Container Storage

The DRAFT PERMIT allows the facility to store containerized hazardous waste in five designated hazardous waste storage areas, not to exceed 2,569 cubic yards, or equivalent.

Tank Storage

The DRAFT PERMIT allows the facility to store acid, alkaline and cyanide liquid hazardous wastes in nineteen designated storage tanks and post treatment effluent in seven designated post treatment (storage) tanks, not to exceed 185,300 gallons. All tanks have recently been replaced, as required by the previous RCRA permit.

Tank Treatment

The DRAFT PERMIT allows the facility to treat designated hazardous wastes in seven designated hazardous waste treatment tanks, not to exceed 25,000 gallons per day. The Permittee has recently replaced or relined all tanks, using an NDEP-approved Tank Replacement Plan.

¹ The facility's permitted legal entity is 21st Century Environmental Management of Nevada, LLC (21 EMN), whose parent company is PSC Environmental Services, LLC (PSC). The facility uses "PSC" as a recognized name in the waste management industry.

Subpart X Units

The DRAFT PERMIT allows the facility to dewater treated hazardous waste slurries in two Filter Presses, not to exceed 1,500 wet pounds per hour. The DRAFT PERMIT also allows the facility to treat designated hazardous waste effluent in an Evaporator, not to exceed 500 gallons per hour.

TYPES OF WASTE TO BE HANDLED

The facility manages acids, alkaline, metal-bearing liquids and sludge, cyanides, batteries and other hazardous wastes. The facility is authorized to store and/or treat only those waste identified within the permit application. The facility receives wastes in either bulk loads or containers. Waste streams with greater than 500 ppmw Volatile Organic Compounds (VOC) or 10,000 ppmw Total Organic Concentration (TOC) will only be stored in containers, and may not be stored or treated² in the tank systems.

MONITORING

The Permittee is required to conduct quarterly groundwater monitoring due to past releases at the site. Chromium has been observed in one of the eight on-site groundwater monitoring wells, and in response to the observed groundwater trend, the Permittee completed a RCRA Facility Investigation (RFI). The RFI results identified that chromium is limited to a localized zone of perched groundwater at the site. The Permittee has completed a Corrective Measures Study (CMS) to evaluate remedial alternatives and a Corrective Measures Implementation (CMI) workplan has been developed to implement the selected corrective measures. Continued monitoring will be required to verify the effective performance of the installed remedial system.

BASIS FOR THE PERMIT CONDITIONS

The DRAFT PERMIT conditions are established pursuant to the authority of *Section 3006* of the *Resource Conservation and Recovery Act (RCRA)* (*Chapter 40 Code of Federal Regulations* as codified in *Part 271*), *40 CFR Parts 124*, and *260 through 270*, *Nevada Revised Statutes (NRS)* 459-520 and *Nevada Administrative Code (NAC)* 444.842 through 444.8746, 444.940 through 444.9555, and 444.960. These laws and regulations govern the management of hazardous waste in the State of Nevada. The NDEP, as the authorized permitting agency for the State of Nevada, has reviewed the permit renewal application submitted by 21EMN and has determined that the facility can be reasonably operated under the proposed permit conditions in accordance with applicable regulations and in a manner which is expected to be protective of public health and the environment.

Unit-specific operation and maintenance requirements in the DRAFT PERMIT also contain provisions for: waste analysis for proper management of hazardous waste; contingency plan and preparedness requirements to prevent and respond to releases of hazardous waste; personnel training requirements; inspection and record-keeping requirements; and unit-specific closure requirements.

REQUESTED VARIANCES

No variances were requested with this permit renewal.

PROCEDURES FOR REACHING A FINAL DECISION

Section 7004(b) of *RCRA*, *NAC* 444.8632, and *40 CFR Section 124.10* require that the public and interested agencies be given at least forty-five (45) days to comment on each DRAFT PERMIT

² With the exception of trichloroisocyanuric and dichloroisocyanuric acid in Tanks T-4 through T-7.

prepared under RCRA. The comment period for the 21EMN facility will end on **October 31, 2014**. Anyone wishing to submit comments on this DRAFT PERMIT must do so within this sixty day period.

Persons should submit written comments concerning the permit conditions to NDEP either at the Carson City address shown below, through email at mgodbout@ndep.nv.gov, or through the website at <http://ndep.nv.gov/admin/public.htm>. Comments should include all reasonable available references, factual grounds, and supporting material.

**Nevada Division of Environmental Protection
Bureau of Waste Management
Attn: Maureen Godbout
901 South Stewart Street, Suite 4001
Carson City, NV 89701-5249**

A public hearing may be held to hear further comments if a written notice of opposition is received and a request for such a hearing is submitted. In the event that such a public hearing is requested, a time and place for the meeting will be scheduled and announced in a separate public notice at least thirty (30) days prior to the hearing.

NDEP will respond in writing to all comments received during the public comment period and statements heard at a public hearing, in the event one is held, when making a final decision.

Under the conditions of the DRAFT PERMIT, should it become final and there is no appeal, the facility will be allowed to continue their waste management operations and conduct the required monitoring activities subject to the terms of the permit and other applicable permits and legal requirements. The facility's waste management units and related activities are designed to comply with current state and federal requirements.

The ADMINISTRATIVE RECORD for the DRAFT PERMIT, which includes the APPLICATION, DRAFT PERMIT, and FACT SHEET, are available for public review by appointment between the hours of **8:00 a.m. and 5:00 p.m., Monday through Friday** at the NDEP address above. Further information and copies of the FACT SHEET may be obtained by contacting **Maureen Godbout** of **NDEP** by phone at **(775) 687-9482**, by email at mgodbout@ndep.nv.gov, or through the website at <http://ndep.nv.gov/admin/public.htm>.

A copy of the DRAFT PERMIT may also be viewed, by appointment Monday through Thursday, at the offices of **21EMN** in **Fernley, NV** (contact **Tracy Buono** at **(775) 575-2760**); and at the **Fernley Branch Library** in **Fernley, NV** (contact **(775) 575-3366** for hours of operation).

When NDEP makes a final decision to either issue or deny the permit, notice will be given to 21EMN and to each person who has submitted written comments or requested a notice of the final decision. In the event that significant comments are received, the final permit decision shall become effective thirty (30) days after service of the notice of decision unless an appeal is filed with the State Environmental Commission (within 10 days after notice of the action of the Department) under *NAC 445B.340*. If no comments are received regarding the draft permit, the final permit shall become effective immediately upon issuance.

Please bring the foregoing notice to the attention of all persons whom you believe would be interested in this matter.